

*Trigonia subglobosa*, Mor. & Lyc.

*Trigonia subglobosa*, Morris & Lycett, Gr. Ool. Monog. Bivalves, 1853, tab. 5. fig. 21. p. 55.

Shell nearly circular, convex; umbones recurved; area small, with three tuberculated carinæ; costæ large, closely arranged, angulated, their posterior portions forming a few large perpendicular varices.

It occurs in the freestone beds near Nailsworth; also in the Great Oolite: in both formations it is somewhat rare.

XXIV.—*Note on the Artesian Well at Colchester; and Remarks on some of the Microscopic Fossils\* from the Colchester Chalk.*  
By JOHN BROWN, Esq., F.G.S., of Stanway.

[With two Plates.]

IN 1852 an Artesian well was made at the western end of Colchester, Essex, on the premises of the Old Water Works. The surface of the ground at this spot is about 60 feet below the top of the adjoining hill, known as Balkern Hill. The red sandy gravel† composing the chief mass of Balkern Hill has a total thickness of about 60 feet, but at the well the gravel is about 6 feet thick only, with 6 feet thickness of alluvium covering it. The boring then traversed the "London clay," 100 feet thick, and the "Plastic clay" ("Reading and Woolwich Series" of Mr. Prestwich), which is 30 feet thick, and then penetrated the "Chalk with flints" to a depth of 152 feet—making altogether a depth of 294 feet.

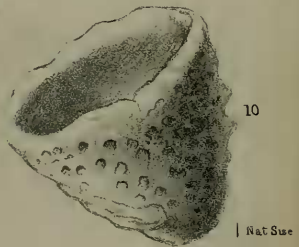
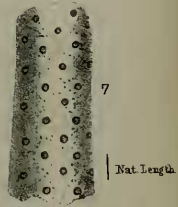
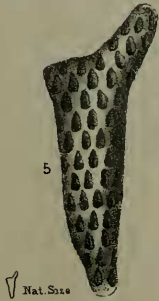
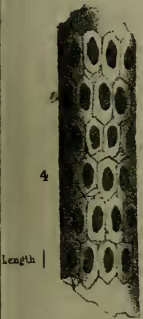
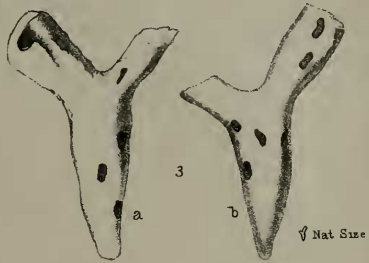
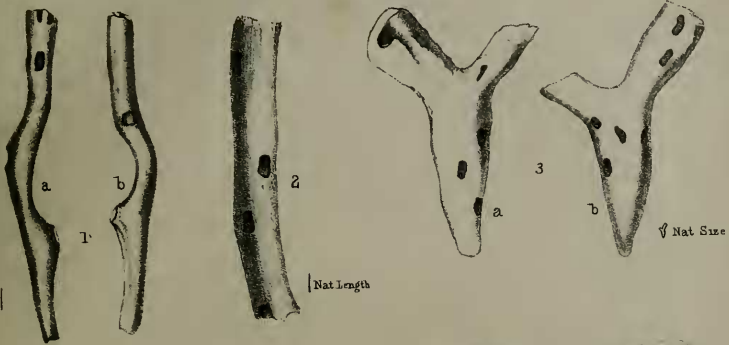
From the chalk brought up by the borer, numerous minute fossils have been obtained by carefully washing the fragmentary chalk and examining it under a lens. These consist of small *Serpulæ*, ossicles of *Apiocrinites*, and remains of *Amorphozoa*, *Foraminiferæ*, *Bryozoa*, and *Entomostraca*; such as are usually plentiful in and characteristic of the chalk.

Figures 8, 9, & 10 in Plate IX. are the calcified remains of three minute species of Sponges, of the genera *Tragos* and *Manon*; but they are too much water-worn and mineralized for identification.

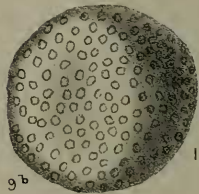
Of the *Foraminiferæ*, *Nodosaria Zippii*, *N. limbata*, *Marginulina*

\* Mr. Rupert Jones has kindly assisted me in drawing up the following notes on the microscopic fossils of the Chalk.

† Some remarks on the Gravels of this district, and on their lithological characters, by the author, may be found in the 'Mag. Nat. Hist.' 1835, and the 'Quarterly Journal of the Geological Society,' 1852,



1 Nat. Size



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Zoophytes, Chalk, Colchester

